Prevention

* A great way to prevent energy from being used when something is not on is to just unplug it to be safe.
* If you don’t want to bother with unplugging all your household items individually you can plug multiple into one power strip and then just switch that ‘off’.
* ENERGY STAR brand appliances use only 40% of the energy as standard models.
* When battery charges are not being used or the batteries are fully charged unplug them.
* For every 7 cents you spend on electricity bills 4 of those cents are from standby power consumption.
* The U.S. spends more than 3 billion dollars in just standby energy each year

Introduction

Phantom load is what people call energy that is being used by an appliance when turned ‘off’. Not very many Americans are aware of phantom loads that are occurring in their own home.

Biggest Wasters

Any appliance or item has a remote, standby mode, display screen, or clock on it is always using your energy; therefor you are using your money to run something that you thought was off. For example your TV’s are wasting your money because the little box that you point your remote at is always searching for a signal from the remote to come in. Things with a clock like stereos, microwaves, cable boxes, and anything else with a clock use your energy as well because they are always on and keeping your time up to date. Any thing that has any of those traits is always using your energy.

Awareness

About half of all electricity used in a home is used while the residents think it is off.

Testing

We plan to test many different appliances. Then we will take pictures of the actual appliances and put them into our prezi. With each item we test we will put its name, brand, energy used, money spent and other facts about in our prezi.

Presentation

For our presentation we will have a Prezi and then we can put the pictures of what we measuring with a phantom load in so that the audience can see exactly what we are explaining. I think that our presentation should go in an order somewhat similar to this... We start off with an introduction were we explain what we are presenting about, Phantom load, and just skim over some of the basic questions we will ask at the end like 'try to remember about how much some of the items in the bedroom use a year' or something. Then we could have a podcast or pencast or both to explain how a phantom load works. In each 'circle' in the Prezi we should have a picture of the item, the amount of energy it uses a month, how much energy it uses a year, how much money it uses a month, how much money it uses a year, and ways you can prevent it. Also we could include why some items use more energy when off than others. At the very end we could have a video tour of the rooms we explored to get our data. Those are my ideas for our presentation. For the ending I think that we should calculate the total monthly energy used, annual energy used, monthly fees, and annual fees. Overall it should end up being about 15--20 minutes long.